

WHAT IS CLAIMED IS:

1. A scale, comprising:

a platform having an upper surface for receiving an
object, a bottom surface opposite the upper surface, the
5 platform comprising a fiber-filled, polyester thermosetting
polymer material;

at least two load cells mounted on the bottom surface for
generating data regarding a weight of an object on the
platform; and

10 an indicator in communication with the load cell for
indicating the weight of the object responsive to the data.

2. The scale of claim 1, wherein the indicator
comprises a display for displaying the weight.

15 3. The scale of claim 2, wherein the display comprises
a digital display.

4. The scale of claim 2, wherein the display is mounted
20 in a pocket in the upper surface of the platform.

5. The scale of claim 1, wherein the platform comprises at least two receptacles on the bottom surface, and wherein one each of the at least two load cells is mounted in one of the at least two receptacles.

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6. The scale of claim 5, wherein each of the receptacles comprises an indentation in the bottom of the platform.

7. The scale of claim 6, wherein the at least two load cells are connected to the indicator, and wherein the indicator generates the weight of the object responsive to the data from the four load cells.

8. The scale of claim 7, further comprising structures formed integrally with the platform and for receiving wires that extend between the at least two load cells and the indicator.

9. The scale of claim 8, wherein the structures each comprise ribs that extend along the bottom surface of the platform.

10. The scale of claim 7, wherein the platform comprises sufficient flexural strength to not significantly deflect under a load of 500 pounds.

5 11. The scale of claim 10, wherein the scale has a height approximately equal to 0.380 inches.

12. The scale of claim 7, wherein the scale comprises sufficient flexural strength to not significantly deflect under a load of 330 pounds.

13. The scale of claim 12, wherein the scale has a height approximately equal to 0.302 inches.

15 14. The scale of claim 7, wherein the indicator comprises a display for displaying the weight.

15. The scale of claim 14, wherein the display comprises a digital display.

20 16. The scale of claim 14, wherein the display is mounted in a pocket in the upper surface of the platform.

17. The scale of claim 7, wherein the at least two load cells each comprise a strain-gage load cell.

18. The scale of claim 5, wherein the at least two load cells are in communication with the indicator, and wherein the indicator generates the weight of the object responsive to the data from the at least two load cells.

19. The scale of claim 18, further comprising structures formed integrally with the platform and for receiving wires that extend between the at least two load cells and the indicator.

20. The scale of claim 19, wherein the structures each comprise ribs that extend along the bottom surface of the platform.

21. The scale of claim 18, wherein the scale comprises sufficient flexural strength to not significantly deflect under a load of 500 pounds.

22. The scale of claim 21, wherein the scale has a height approximately equal to 0.380 inches.

23. The scale of claim 18, wherein the scale comprises sufficient flexural strength to not significantly deflect under a load of 330 pounds.

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24. The scale of claim 23, wherein the scale has a height approximately equal to 0.302 inches.

25. The scale of claim 18, wherein the indicator comprises a display for displaying the weight.

26. The scale of claim 25, wherein the display comprises a digital display.

27. The scale of claim 25, wherein the display is mounted in a pocket in the upper surface of the platform.

28. The scale of claim 1, wherein the at least two load cells each comprise a strain-gage load cell.

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29. The scale of claim 1, wherein the scale comprises sufficient flexural strength to not significantly deflect under a load of 500 pounds.

30. The scale of claim 29, wherein the scale has a height approximately equal to 0.380 inches.

5 31. The scale of claim 1, wherein the scale comprises sufficient flexural strength to not significantly deflect under a load of 330 pounds.

10 32. The scale of claim 31, wherein the scale has a height approximately equal to 0.302 inches.

15 33. The scale of claim 1, further comprising a structure formed integrally with the platform and for receiving at least one wire that extends between one of the at least two load cells and the indicator.

34. The scale of claim 33, wherein the structure comprises at least one rib that extends along the bottom surface of the platform.